--ABSTRACT OF DISCLOSURE

A spread-spectrum receiver for receiving data from a spread-spectrum packet-switched system. A multichannel spread-spectrum signal includes encoded data, which is demultiplexed into sub-data-sequence signals. Each sub-data-sequence signal is multiplied by a respective chip-sequence signal to generate a plurality of spread-spectrum channels. The plurality of spread-spectrum channels are combined as a multichannel spread-spectrum signal. The multichannel spread-spectrum signal is concatenated with a header to output a packet-spread-spectrum signal which is transmitted over radio waves to a packet receiver. A processor at the packet receiver obtains timing for the multichannel spread-spectrum signal from the header. The multichannel spread-spectrum signal is then despread by a plurality of data-matched filters and multiplexed by a multiplexer as received-encoded data. The received-encoded data is decoded by a decoder and stored in a receiver memory for output.--

IN THE CLAIMS:

Delete claims 1-15, and add the following claims:

--16. A method, using a packet receiver, comprising the steps of:

processing a header in a packet-spread-spectrum signal, to generate a reference signal;

despreading, responsive to the reference signal, a multichannel-spread-spectrum signal embedded in the packet-